

RODIONOV, G.O. [Rodionov, H.A]

The absorbing function of reticulo-endothelium in healthy animals and animals with pneumococcal sepsis under conditions of anesthesia and electric stimulation [with summary in English]. Fiziol.zhur. Ukr. 4 no.5:657-664 S-O '58 (MIRA 11:11)

1. Kiyevskiy institut usovershenstvovaniya vrachey.
(RETICULO-ENDOTHELIAL SYSTEM)
(NERVOUS SYSTEM)
(ABSORPTION (PHYSIOLOGY))

RODIONOV, G. V.

PA 77T92

USSR/Mining Methods
Coal

Apr 1948

"Vital Tasks of Coal-Combine Construction," G. V.
Rodionov, Cand Tech Sci, Laureate of Stalin Prize, 5 pp

"Mekh Trud i Tyazh Rabot" No 4

Lists various vital tasks for coal-combine construction agencies in USSR, as means of increasing mechanization of basic tasks in coal mining. These combines not only cut coal, but also load it on wagons or conveyor belts. Describes contemporary combines and improvements desired in future combines.

77T92

RODIONOV, G.V., kandidat tekhnicheskikh nauk; YABKO, Ya.M., kandidat tekhnicheskikh nauk.

Reinforcing parts made of imitation leather. Leg.prom. 14 no.4:26-28
Ap '54. (MLRA 7:6)
(Leather industry) (Leather, Artificial)

RODIONOV, G.V.

Helping the national economy (from the scientific activity of the
Western Siberian Branch of the Academy of Sciences of the U.S.S.R.)
Vest.AN SSSR 24 no.1:68-76 Ja '54. (MLRA 7:1)

1. Kandidat tekhnicheskikh nauk Zapadno-Sibirskogo filiala Akademii
nauk SSSR. (Siberia, Western--Science)
(Science--Siberia, Western)

RODIONOV, G.V., kandidat tekhnicheskikh nauk; FEDULOV, A.I., kandidat tekhnicheskikh nauk; VLADIMIROV, V.M., inzhener; GURKOV, K.S., inzhener

Development of a specialized excavator for digging trenches with sloping sides. Mekh. stroi. 12 no.6:9-13 Je '55.
(Excavating machinery) (MLRA 8:6)

RODICHNOV, G.V., kandidat tekhnicheskikh nauk; KOSTYLEV, A.D., inzhener

The geometrical shape of coal shoveling machinery buckets. Ugol'
30 no.9:30-34 S'55. (MIRA 8:12)

1. Zapadno-Sibirskiy filial Akademii nauk SSSR.
(Shoveling machinery)

RODIONOV, G.V.

3937. WAYS OF IMPROVING BATCH TYPE LOADING MACHINES. Rodionov, G.V.
(Mekhan. Trud. Tyazhal. Rabot (Mekh. arkhivsk. HK, Moscow), Oct. 1956, 17-21).
Designs of machines of the power shovel type used for loading are discussed with
a view to improving the geometry of the shovel etc. A shovel with a vibrating
floor is suggested. (L).

RODIONOV, G.V., kandidat tekhnicheskikh nauk; KOSTYLEV, A.D., kandidat
~~tekhnicheskikh nauk~~; GURKOV, K.S., inzhener.

Effect of vibration on the efficiency of ore scooping with loader
buckets. Ger.zhur.no.3:38-41 Mr '56. (MLRA 9:7)

1. Zapadnosibirskiy filial AN SSSR.
(Ore handling)

RODIONOV, G.V., kandidat tekhnicheskikh nauk; KOSTYLMV, A.D., kandidat tekhnicheskikh nauk.

Development of mechanized loading in the mining industry. Gor. zhur.
no.5:66-70 My '57. (MLBA 10:6)

1. Zapadno-Sibirskiy filial Akademii nauk SSSR.
(Ore handling) (Mining machinery)

RODIONOV, G.V.

SUDNISHNIKOV, S.V.; RODIONOV, G.V.

Some results of research in the realm of mining machinery. Izv. vost.
fil. AN SSSR no.10:94-101 '57. (MIRA 10:11)

1. Zapadno-Sibirskiy filial AN SSSR.
(Mining machinery)

RODIONOV, G.V.; MIKHIREV, P.A.

Basic patterns of interaction between bucket and stacks of
loose materials. Trudy Gor.-geol. inst. Zap.-Sib. fil. AN SSSR
no.19:7-17 '57.

(MIRA 11:7)

(Loading and unloading--Equipment and supplies)

RODIONOV, G.V.

Forces acting on the bucket in the process of rock scooping.

Trudy Gor.-geol. inst. Zap.-Sib. fil. AN SSSR no.19:47-54 '57.

(MIRA 11:7)

(Loading and unloading--Equipment and supplies)

RODIONOV, G.V.; GURKOV, K.S.

Investigating the effect of vibration on the rock scooping
process. Trudy Gor.-geol. inst. Zap.-Sib. fil. AN SSSR no.19:

89-103 '57.

(MIRA 11:7)

(Loading and unloading--Equipment and supplies)

(Vibration)

RODIONOV, G.V.; KOSTYLEV, A.D.

Trailing weight of a loading machine. Trudy Gor.-geol. inst. Zap.-Sib.
fil. AN SSSR no.19:109-117 '57. (MIRA 11:7)

(Loading and unloading--Equipment and supplies)

(Mine railroads--Cars)

RODIONOV, G.V.

Basic conditions for the efficient use of rock loading machines.

Trudy Gor.-geol. inst. Zap.-Sib. fil. AN SSSR no.19:119-145

'57.

(MIRA 11:7)

(Loading and unloading--Equipment and supplies)

(Material handling)

RODIONOV, G.V.; KOSTYLEV, A.D.

Mechanisation of loading and hauling ore in cross headings.

Trudy Gor.-geol. inst. Zap.-Sib. fil. AN SSSR no.19:167-176

'57.

(MIRA 11:7)

(Mining machinery) (Mine haulage)

RODIONOV, G.V.

Some problems in the cycle of operations theory of intermittent
action ore loading machines. Trudy Gor.-geol. inst. Zap.-Sib. fil.
AN SSSR no.19:177-201 '57. (MIRA 11:7)
(Loading and unloading--Equipment and supplies)
(Mining machinery)

RODIONOV, G.V., Doc Tech Sci -- (diss) "Experimental and theoretical
study of rock-loading machines of periodic action." /Mos¹, 1958,
41 pp with ^{sketches} ~~sketches~~ (Acad Sci USSR. Inst of Mining Affairs)
120 copies (KL, 27-58, 107)

RODIONOV, G.V.; KOSTYLEV, A.D.

Movable hopper-loader. Gor. zhur. no.8:40. Ag. '58. (MIRA 11:9)
(Mining machinery--Patents)

RODIONOV, G.V.

Methods of determining filling and selecting mucking-machine
bucket sizes. Nauch. trudy MGU no. 20:268-277 '58. (MIRA 11:8)
(Mining machinery)

RODIONOV, G.V.; FEDULOV, A.I.; GURKOV, K.S.

Experimental investigation of vibration ore drawing from
blocks. Trudy Inst.gor.dela Sib,otd.AN SSSR no.2:189-194
'59. (MIRA 13:5)
(Mining engineering) (Vibrators)

RODIONOV, G.V., doktor tekhn.nauk

Working parts of strip mining excavators. Gor.zhur. no.5:40-44
My '60. (MIRA 14:3)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR Novosibirsk.
(Excavating machinery—Apparatus and supplies)

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S/127/60/000/005/003/008
B012/B058

AUTHOR: Rodionov, G. V., Doctor of Technical Sciences (Novosibirsk)

TITLE: The Working Equipment of Open-work Mining Excavators

PERIODICAL: Gornyy zhurnal, 1961, No. 5, pp. 40 - 44

TEXT: Open-work mining is concerned mostly with rocks and the mined masses are mainly loaded by bucket dredges. The Institut VNIISTroydormash Gosplana SSSR (All-Union Scientific Research Institute of Construction and Road Machinery of the State Planning Commission USSR) has fixed a standard series of open-work-mining excavators consisting of five types of various dimensions with a bucket of from 2 to 12 m³ and a weight of from 80 to 480 t. These are to be designed and manufactured in the near future. While the mining of various soils has been sufficiently studied, the scooping of loose rocks has not yet been investigated sufficiently. After blasting, the rocks lie in stacked formation, the filling of the bucket being thus determined by entirely different factors than for the mining of soils in

Card 1/6

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The Working Equipment of Open-work
Mining Excavators

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the massif. The experimental study of the scooping of rocks by buckets conducted by the Institut gornogo dela Sibirskogo otdeleniya AN SSSR (Mining Institute of the Siberian Department of the AS USSR) and other institutions during the period 1948 to 1957, as well as the long design- and operational experience with bucket-loading vehicles gave the following results: the main conditions for reliable scooping of rocks are: 1) the penetration of the bucket into the material, the former progressing horizontally, and 2) the consecutive vertical turn of the bucket (with smallest possible radius). Scooping is most effective when the horizontal bucket movement, after reaching a certain initial depth of penetration into the material, is combined with the further turning of the bucket in the vertical plane. According to data by Professor N. G. Dombrovskiy (Ref. footnote on p. 41) the efficiency of the lifting buckets for the loading of rocks amounts to only 32 to 58% of that in soils. For this reason the bucket was replaced by a telescopic device with a shovel-shaped bucket. The Kovrovskiy ekskavatornyy zavod (Kovrov Excavator Plant) has designed the excavator of the type Э-6514 (E-6514) with telescopic equipment. It

Card 2/6

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The Working Equipment of Open-work
Mining Excavators

S/127/60/000/005/003/008
B012/B058

was tested in 1959. The Institut gornogo dela AN KazSSR (Mining Institute of the AS Kazakhskaya SSR) elaborated a variant of a telescopic equipment for the excavator of the type E-504 (E-504). This equipment is similar to that used in the USA. In order to increase the efficiency of this equipment, the rigid connection of the bucket with the shaft should be abandoned and the shovel-shaped bucket should be made rotary, the radius of rotation having to be as small as possible. Two such variants are shown here in Figs. 2 and 3. They would considerably improve the excavators for the loading of loose rock in open-work mining and on construction sites. The IGD SO AN SSSR (IGD SO AN USSR) jointly with the Institut Sibgiprogormash (Sibgiprogormash Institute) is at present laying down the standard dimensions for the telescopic equipment for the bucket excavators used mostly. There are 3 figures, 1 table, and 4 Soviet references.

ASSOCIATION: Institut gornogo dela Sibirskogo otdeleniya AN SSSR, Novosibirsk (Mining Institute of the Siberian Department of the AS USSR)

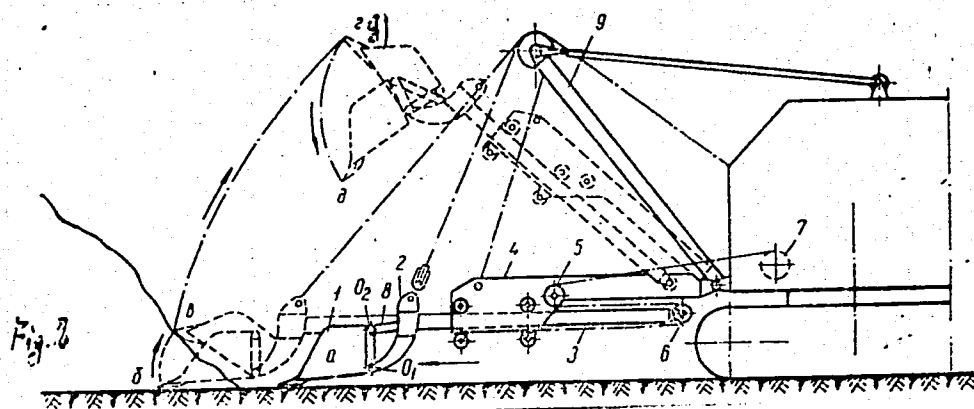
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Card 4/6

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B012/B058

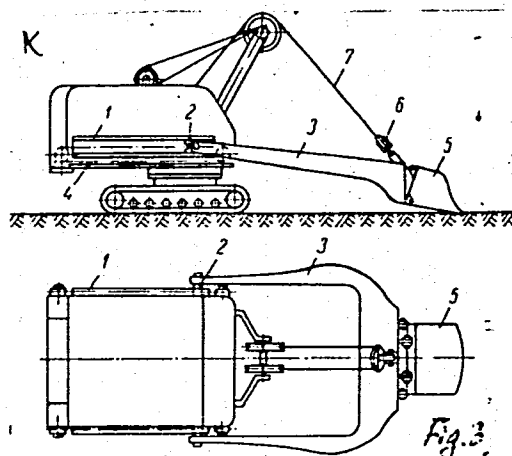
Legend to Fig. 2: Basic scheme of the telescopic equipment with rotary shovel-shaped bucket (first variant). 1) Bucket, 2) cross support, 3) shaft, 4) jib, 5) and 6) block and tackle, 7) winch drum, 8) pull rods, 9) strut, 0, hinge, a lowest posi-

tion, g highest position. Legend to Fig. 3: Scheme of the shortened telescopic equipment (second variant). 1) Guides, 2) sliding piece, 3) yoke, 4) chain, 5) rotating bucket, 6) block and tackle, 7) lifting wire.

Card 5/6

88608

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B012/B058



Card 6/6

MURIKOV, D.V., inzh.; RODIONOV, G.V., doktor tekhn. nauk

Resistances arising during the scooping of bulky loads by shovel.
Stroi. i dor. mash. 9 no.3:22-23 Mr '64. (MIRA 17:6)

RODIONOV, G.V., doktor tekhn. nauk; KRASNOVA, V.M., inzh.

Mechanized rock loading in pits. Izv. vys. ucheb. zav.; gor.
zhur. 6 no.8:3-8 '63. (MIRA 16:10)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.
Rekomendovana kafedroy rudnichnogo transporta.

RODIONOV, G.V.; VLADIMOROV, V.M.; CHAYKOVSKIY, E.G.; MATTIS, A.R.

Principle layouts and basic elements of earthmoving machines, using
the effect of soil caving. Trudy Inst. gor. dela Sib. otd. AN SSSR
no.7:14-24 '62. (MIRA 16:9)

KVATTS, G.V.; KRASNOVA, V.M.; RODIONOV, G.V.

Interchangeable telescopic equipment for the E-652 excavator. Trudy
Inst. gor. dela Sib. otd. AN SSSR no.7:146-151 '62. (MIRA 16:9)

RODIONOV, G. V., doktor tekhn. nauk; VLADIMIROV, V. M., kand. tekhn. nauk

Principles of working soil by the caving method. Sbor. trud.
MISI no.39:142-148 '61. (MIRA 16:4)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR.

(Excavation)

RODIONOV, G.V., doktor tekhn.nauk; AKSENOV, V.P., kand.tekhn.nauk;
VLADIMIROV, V.M., kand.tekhn.nauk; PRISEDSKIY, G.V., inzh.

Recent trends in developing highly efficient excavators and
loaders. Ger.zhur. no.2:43-46 F '63. (MIRA 16:2)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti, Kiyev (for
Prisedskiy).

(Excavating machinery) (Mining machinery)

RODIONOV, G.V.; FEDULOV, A.I.; KAMENSKIY, V.V.; VIKHLYAYEV, A.A.

Secondary crushing of rocks by the breaking method. Trudy Inst.
gor. dela Sib. otd. AN SSSR no.6:115-121 '61. (MIRA 15:9)
(Ore dressing)

GREBENNIKOV, D.A., gornyy inzh.; ZYKOV, V.A.; GUSHCHIN, V.V.;
DEMIDENKO, I.F.; RODIONOV, G.V., prof., doktor tekhn.nauk

Discussion of I.A. B. Kal'nitskii and S.P. Vasil'evskii's article
"Problems in the automation of stoping equipment in the mining
industry." Gor. zhur. no.10:59-64 0 '61. (MIRA 15:2)

1. Glavnyy mekhanik kombinata "Apatit" (for Zykov).
 2. Glavnyy inzh. kombinata "Apatit" (for Gushchin).
 3. Upravlyayushchiy rudnikom Odra-Bash Kuznetskogo metallurgicheskogo kombinata (for Demidenko).
 4. Institut gornogo dela Sibirskogo otdeleniya AN SSSR (for Rodionov).
- (Mining machinery)

KOSTYLEV, A.D.; RODIONOV, G.V.; GURKOV, K.S.; MAKSIMOV, V.A.;
VOLOD'KO, K.P.

Vibrating working part of a loader. Gor.zhur. no.8:71
Ag '62. (MIRA 15:8)
(Mining machinery)

RODIONOV, Georgiy Viktorovich, doktor tekhn.nauk; KAL'NITSKIY, Yakov Borisovich, kand.tekhn.nauk; GURKOV, Konstantin Stepanovich, kand. tekhn.nauk; KOSTYLEV, Aleksandr Dmitriyevich, kand. tekhn.nauk; MIKHIREV, Petr Aleksandrovich, kand. tekhn. nauk; PRESS, Igor' Mikhaylovich, nauchnyy sotr.; SOBOL', Arkadiy Vladimirovich, st. nauchnyy sotr.; SOROKO, Veniamin Vasil'yevich, kand. tekhn.nauk; BAZANOV, A.F., kand. tekhn. nauk, retsenzent; BULATOV, S.I., red. izd-va; S'IRNOVA, G.V., tekhn. red.

[Loading machines for loose and lump materials; design, teory, and calculation] Pogruzochnye mashiny dlia sypuchikh i kuskovykh materialov; konstruktsiia, teoriia i raschet. [By] K.S.Gurkov i dr. Moskva, Mashgiz, 1962. 286 p. (MIRA 15:12)

(Loading and unloading--Equipment and supplies)

KAL'NITSKIY, Yakov Borisovich, kand. tekhn. nauk; ABRAMSON, Khanan Isaakovich, inzh.; RODIONOV, Georgiy Viktorovich, doktor tekhn. nauk; ARKHANGEL'SKIY, A.S., kand. tekhn. nauk, retsenzent; FEYGIN, L.M., otv. red.; FROLOVA, Ye.I., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Underground mechanical loading] Podzemnaia mekhanizirovannaya pogruzka. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 196 p. (MIRA 15:3)
(Mining machinery) (Loading and unloading)

ABRAMSON, Kh.I., inzh.; KAL'NITSKIY, Ya.B., kand.tekhn.nauk; RODIONOV,
G.V., doktor tekhn.nauk

Improving mine loading equipment. Gor. zhur. no.4:3-7 Ap '61.
(MIRA 14:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut Podzemshakhto-
stroy Moskva (for Abramson). 2. Gipronikel', Leningrad (for
Kal'nitskiy). 3. Institut gornogo dela Sibirskogo otdeleniya
AN SSSR, Novosibirsk (for Rodionov).
(Mining machinery)

~~RODIONOV, Grigoriy Yegorovich~~; KOVALEVA, A.A., vedushchiy redaktor;
SIMAKOV, A.T., tekhnicheskii redaktor

[Installation of large unit derricks; practice of Tatar and Bashkir
Oil Trusts] Krupnoblochnoe stroitel'stvo burovnykh ustanovok; opyt
Tatnefti i Bashnefti. Moskva, Gos.nauchno-tekhn.izd-vo neft. i
gorno-toplivnoi lit-ry, 1957. 42 p. (MLRA 10:10)
(Bashkiria--Oil well drilling)
(Tatar A.S.S.R.--Oil well drilling)

RODIONOV, I., inzhener-ekonomist

Labor productivity. Grazhd. av. 19 no.11:9 N '62.
(MIRA 16:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut
Grazhdanskogo vozdušnogo flota.

(Airports—Management)

RODIONOV, I., inzh.

The main source of development. Grazhd.av. 18 no.12:18 D '61.
(MIRA 15:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut Grazhdanskogo
vozdušnogo flota.

(Aeronautics, Commercial)

RODIONOV, I.A. [Rodionov, I.O.]

Experimental investigation of hydraulic resistance in a concrete channel (trough) with a smooth surface. Dop.AN USSR no.11: 1186-1189 '58. (MIRA 11:12)

1. Institut gidrologii i gidrotekhniki AN USSR. Predstavil akademik AN USSR G.I.Sukhmel [H.I.Sukhomel]. (Hydraulics)

RODIONOV, I.A.

On vertical distribution of velocities. Dop. AN URSR no. 4:288-291
'54. (MIRA 8:4)

1. Institut gidrologii ta gidrotekhniki AN URSR. Predstavleno
deystvitel'nym chlenom Akademii nauk USSR G.I. Sukhomelom.
(Hydrodynamics)

RODIONOV, I. A., Cand Tech Sci -- (diss) "Distribution of velocities and hydraulic resistances in a flat stream at equilibrated liquid flow." Kiev, 1960. 16 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Ukrainian Inst of Engineers in Water Economy); 200 copies; price not given; (KL, 18-60, 152)

DIDKOVSKIY, M.M.; RODIONOV, I.A.

Roughness coefficient of large section earth canals. Izv.Inst.gidrol.
1 gidr.AN URSR 12:28-45 '55. (MIRA 9:4)
(Canals)

DIDKOVSKIY, M.M., kandidat tekhnicheskikh nauk; ⁸RADIONOV, I.A., inzhener.

Some formulas for a rapid C multiplier. Gidr.stroi. 25 no.10:59-61
N '56. (MLRA 9:12)

(Hydraulics)

AUTHOR: Rodionov, I.A. SOV/21-58-11-8/28

TITLE: An Experimental Investigation of Hydraulic Resistance in a Concrete Channel (Trough) With a Cement Floor (Eksperimental'noye issledovaniye gidravlicheskogo soprotivleniya v betonnom kanale (lotke) s zheleznennoy poverkhnost'yu)

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 11, pp 1186-1189 (USSR)

ABSTRACT: The method of calculating concrete water conduits, which was developed by A.P. Zegzhda [Ref 1], was based on the assumption that concrete surfaces have roughness of the granular type and that the hydraulic resistance of these surfaces obeys the laws derived by Nikuradze for a granular roughness of sand. The author carried out experiments to determine the hydraulic resistance in a trough with a cement-floor concrete surface and glass walls. These experimental investigations showed that the hydraulic resistance of such surfaces do not follow the laws of Nikuradze - Zegzhda. On the basis of the analysis of resistances in tubes and troughs made of various materials, the author came to the conclusion that hydraulic resistances in a smooth channel depend on the material of the surface.

Card 1/2

SOV/21-58-11-8/28

An Experimental Investigation of Hydraulic Resistance in a Concrete Channel
(Trough) With a Cement Floor

There are 2 graphs and 3 Soviet references.

ASSOCIATION: Institut gidrologii i gidrotekhniki AN UkrSSR (Institute of
Hydrology and Hydraulic Engineering of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, G.I. Sukhomel

SUBMITTED: June 12, 1958

NOTE: Russian title and Russian names of individuals and institu-
tions appearing in this article have been used in the trans-
literation.

Card 2/2

RODIONOV, I.A. [Rodionov, I.O.]

On the Prandtl-Nikuradze formulae for the distribution of velocities and hydraulic resistance in rough pipes. Dop.AN URSS no.9:1206-1212 '60. (MIRA 13:10)

1. Institut gidrologii i gidrotekhniki AN USSR. Predstavleno akademikom AN USSR G.I.Sukhomelom.
(Hydraulics)

124-1957-1-501

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 62 (USSR)

AUTHORS: Didkovskiy, M.M., Rodionov, I.A.

TITLE: The Coefficient of Roughness of Earth Channels With Large Cross-sections (Koeffitsiyent sherokovatosti zemlyanykh kanalov bol'shogo secheniya)

PERIODICAL: Izv. In-ta gidrol. i gidrotekhn. AN UkSSR, 1955, Vol 12, pp 28-45

ABSTRACT: From an analysis of the expressions for the velocity factor C and their verification by means of test data on the resistance losses of silt-free channels with large cross-sections, the Author arrives at the following conclusions: 1) The N.N.Pavlovskiy formula, which is substantiated by experimental data and which is becoming more and more widely adopted in applied hydraulics computations, must continue to be considered as a fundamental tool in the determination of the velocity factor C ; 2) The I.I.Agroskin formulas and the abbreviated Ganguillet-Kutter formula yield satisfactory numerical results for earth channels; their values for the velocity factor C do not deviate more than 5% from those given by the N. N.Pavlovskiy formula; 3) The magnitude of the velocity factor C

Card 1/2

124-1957-1-501

The Coefficient of Roughness of Earth Channels (cont.)

given by the full Ganguillet-Kutter formula deviates by 15-35% from that obtained from the N.N.Pavlovskiy formula. The Authors used the results of investigations by the Institut gidrologii i gidrotekhniki AN USSR (Institute of Hydrology and Hydraulic Engineering, UkSSR Academy of Sciences), the Institut sooruzheniy AN UzSSR (Institute of Structures, UzSSR Academy of Sciences), and of L.S.Kuskov and I.N.Dyment performed on the "Moscow" canal. They evolved and recommend a new scale for the coefficient of roughness for earth channels with large sections and with a 20% paved surface reinforcement of the wetted perimeter; the new scale is suitable for use of the Pavlovskiy formula for C . The full Ganguillet-Kutter formula mentioned in the paper is mistakenly referred to as the G.A.Dzhimsheli formula; also, the coefficient 0.0155 in that equation is erroneously shown as 0.155.

G.A.Dzhimsheli

Bibliography: 13 references

1. Canals--Roughness coefficient--Analysis

Card 2/2

DIDKOVSKIY, Mikhail Mefodiyevich; RODIONOV, Ivan Aleksandrovich; SUKHOMEL, G.I., akademik, otvetstvennyy redaktor; KAZANTSEV, B.A., redaktor izdatel'stva; ZHUKOVSKIY, A.D., Tekhnicheskii redaktor

[Resistance to water movement in large earthen channels] Soprotivlenie dvizheniiu vody v bol'shikh zemlianykh kanalakh. Kiev. Izd-vo Akademii nauk USSR, 1956. 77 p. (MLA 10:1)

1. Akademiya nauk USSR (for Sukhomel)
(Hydraulics) (Canals)

(RODIONOV, I.A., kand.tekhn.nauk [deceased]) (Kiyev); KARASIK, K.S., inzh. (Kiyev)

Operation of a water intake structure for frazil ice phenomena.
Vod. i sn. tekhn. no.10:30-31 0 '64. (MIRA 18:3)

SNESAREVSKIY, Aleksandr Petrovich; OGURTSOV, V.V., retsenzent;
POPOV, G.Ye., retsenzent; RODIONOV, I.I., retsenzent;
SIBAROV, A.D., retsenzent

[Experience in the reorganization of accounting work in
mines] Opyt perestroiki bukhgalterskoi raboty na shakh-
takh. Moskva, Nedra, 1964. 130 p. (MIRA 18:6)

RODIONOV, I. I., Cand Biol Sci -- (diss) "Electrophoretic
study of soluble protein^s of the liver." Khar'kov, 1958.
16 pp (Min of Health Ukr SSR, Khar'kov State Med Inst),
200 copies (KL, 35-58, 106)

LI, P.N.; RODIONOV, I.I.

Electrophoretic analysis of protein fractions in sheep blood in babesiasis. Veterinariia 35 no.5:39-43 My '58. (MIRA 12:1)

1. Krymskaya nauchno-issledovatel'skaya veterinarnaya stantsiya (for Li). 2. Krymskiy meditsinskiy institut (for Rodionov).
(BLOOD PROTEIN) (PIROPLASMOSIS)

RODIONOV, I.I.; TREITSKY, G.V.

New model cryostat. Lab.delo 3 no.3:48-50 My-Je '57. (MIRA 1959)

1. Iz kafedry biokhimi (zav. - prof. G.V.Treitskiy) Krymskogo
meditsinskogo instituta imeni Stalina, Simferopol'.
(CRYOSTAT)

RODIONOV, I.I.

New cooling system for the apparatus used in the electrophoresis of proteins [with summary in English]. Vop.med.khim. 3 no.4:312-316
J1-Ag '57. (MIRA 10:11)

1. Kafedra biokhimii Krymskogo meditsinskogo instituta imeni
Stalina, Simferopol'.

(ELECTROPHORESIS, apparatus and instruments,
cooling system (Rus))

ACCESSION NR: AP4015158

S/0219/64/057/002/0121/0123

AUTHOR: Rodionov, I. M.

TITLE: A simple intervalograph model

SOURCE: Byul. eksper. biologii i meditsiny*, v. 57, no. 2, 1964,
121-123

TOPIC TAGS: intervalograph, intervalograph simple model, blood
circulation rate

ABSTRACT: A simple intervalograph model for measuring blood circulation rate by drops per minute is described. The device consists of a vessel connected by an air pipe to a chamber which is connected to a recording stylus. Compressed air coming from the vessel inflates the chamber and raises the stylus. An electromagnetically operated valve located between the chamber and stylus normally remains closed, and opens only when an electric signal is induced by a falling drop. With the valve open, air escapes from the chamber and the stylus drops. The recorded amplitude is directly proportional to the time interval between two falling drops and is inversely

Card 1/2

ACCESSION NR: AP4015158

proportional to the blood circulation rate. High sensitivity of
method and simplicity of design are the main features of this model.
Orig. art. has: 3 figures.

ASSOCIATION: Institut biofiziki AN SSSR (Biophysics Institute AN
SSSR)

SUBMITTED: 14Jan63

DATE ACQ: 12Mar64

ENCL: 00

SUB CODE: 1S

NR REF SOV: 002

OTHER: 011

Card 2/2

RODIONOV, I.M.

Mechanism of the vasodilative influences of sympathetic nerves.
Fiziol. zhur. 49 no.2:214-222 F'64 (MIRA 17:2)

1. Laboratoriya patofiziologii Instituta terapii AMN SSSR,
Moskva.

RODIONOV, I.M.

Simple model of an intervalograph. Biul. eksp. biol. i med. 57
no. 2:121-123 F '64. (MIRA 17:9)

1. Institut biofiziki AN SSSR. Predstavlena deystvitel'ny
chlenom AMN SSSR V.V.Parinym.

RODIONOV, I. M. Cand Biol Sci -- (diss) "["]~~Reactive~~^{Regulatory} changes of
blood pressure during the simultaneous excitation of receptors
of various ~~reflexogenic~~ zones." Mos, 1957. 16 pp. (Mos State
Order of Lenin and Order of Red Banner Univ im M.V. Lomonosov).
100 copies. (KL, 8-58, 104)

Rodionov, I.M.
RODIONOV, I.M.

Regulatory changes in the blood pressure during simultaneous stimulation of receptors of different reflexogenic zones. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 12 no.3:95-109 '57. (MIRA 10:12)

1. Kafedra fiziologii zhivotnykh Moskovskogo gosudarstvennogo universiteta.
(BLOOD PRESSURE) (CARDIOVASCULAR SYSTEM) (REFLEXES)

RODIONOV, I. M. and Oleynik, N. K.

" Resistance of the virus of infectious anemia in water "

SOURCE: Veterinariya, Vol 23, No 10-11, Oct/Nov 1946, Uncl

W 489, 12 May 48

RODIONOV, I.N.

Reflex regulation of cardiac function in fish. Report No.2:
Reflex reactions of the heart and intestinal vessels to stimulation of the pressure receptors of the blood vessels of the gill.
Biul.eksp.biol. i med. 48 no.7:11-14 J1 '59. (MIRA 12:10)

1. Iz kafedry fiziologii zhivotnykh (zav. - chlen-korrespondent
AN SSSR prof. Kh.S.Koshtoyants) Moskovskogo gosudarstvennogo
universiteta imeni M.V.Lomonosova. Predstavlena deystvitel'ny
chlenom AMN SSSR V.N.Chernigovskim.

(HEART - physiology)

(INTESTINES - blood supply)

(FISH)

RODIONOV, I.M.

Reflex regulation of cardiac activity in fish. Report No.1:
Reflex effects on the heart during the stimulation of afferent
fibers of the mesenteries and intestines. Biul.eksp.biol. 1
med. 47 no.6:3-6 Je '59. (MIRA 12:8)

1. Iz kafedry fiziologii zhivotnykh (zav. - chlen-korrespondent
AN SSSR, deystvitel'nyy chlen AN Armyvanskoy SSR prof.Kh.S.
Koshtoyants) Biologopochvennogo fakul'teta Moskovskogo gosudar-
stvennogo universiteta. Predstavlena deystvitel'nyy chlenom
AN SSSR S.Ye.Severinyam.

(HEART, physiol.

eff. of afferent mesenteric & intestinal nerves
stimulation in fish (Rus))

(MESENTERIES, physiol.

eff. of stimulation of afferent nerves on
heart in fish (Rus))

(INTESTINES, physiol.

same)

RODIONOV, I.M.

Regulatory changes in blood pressure during simultaneous excitation of receptors of different reflexogenic zones. Report No. 2: Investigating the efferent paths of some vasomotor reflexes. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 13 no. 1:31-40 '58. (MIRA 11:7)

1. Moskovskiy gosudarstvennyy universitet, Kafedra fiziologii shivotnykh.

(BLOOD PRESSURE)
(NERVOUS SYSTEM, VASOMOTOR)

VEBER, N.V.; RODIONOV, I.M.; SHIK, M.L.

"Escape" of the spinal cord from supraspinal influences. Biofizika 10
no.2:334-336 '65. (MIRA 18:7)

L 62518-65

ACCESSION NR: AP5018800

UR/0217/65/010/004/0665/0672
577.3

24

AUTHOR: Arshavskiy, Yu. I.; Kots, Ya. M.; Orlovskiy, G. M.; Rodionov, I. M.; Shik, M. L.

TITLE: Investigation of the biomechanics of running in dogs

SOURCE: Biofizika, v. 10, no. 4, 1965, 665-672

TOPIC TAGS: motion mechanics, animal physiology

ABSTRACT: The authors investigated the kinematics (trajectory of hinge joints, phases of support and transfer of extremity) of dogs running on a treadmill at speeds ranging from 1 1/2 to 11 km/hour. The cycle of each joint was found to have an area (transfer phase) whose trajectory is virtually constant regardless of the speed at which the animal runs. Shifting by the animal in relation to the support during the running is likewise little affected by the speed. The coordination of movements in all the main joints of an extremity is more or less constant at all rates. However, the coordination between the symmetrical extremities and the anterior-posterior relations do vary with the speed of running. There are standard

Card 1/2

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ACCESSION NR: AP5018800

elements and elements varying with the speed in the kinematic picture. Only two parameters are significantly dependent on the speed. It is biomechanically impossible to run at different speeds with a change in fewer parameters. "The authors are grateful to I. M. Gel'fand, B. S. Gurfinkel', I. I. Pyatetskiy-Shapiro, and M. L. Tsetlin for their interest in this work and for valuable advice." Orig. art. has: 5 figures.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moscow (Institute of Biophysics, AN SSSR)

SUBMITTED: 14Jan65

ENCL: 00

SUB CODE: LS

NO REF SOV: 004

OTHER: 004

Card 2/2

ARSHAVSKIY, Yu.I.; KOTS, Ya.M.; ORLOVERKIY, O.N.; ROLIONOV, I.M.;
SHIK, M.L.

Study of the biomechanics of a dog's run. Biofizika 10
no.4:665-672 '65. (MIRA 13:8)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

RODIONOV, I.M.

Vasomotor effects in the vessels of muscles and skin in the stimulation of various areas of the brainstem. Fiziol. zhur. 51 no.1:111-120 Ja '65.
(MIRA 18:7)

1. Institut biofiziki AN SSSR i Institut terapii AMN SSSR, Moskva.

RODIONOV, I.M.; KULAGINA, V.P.

Conditions for the appearance of vasodilator effects in an extremity following stimulation of the sympathetic chain.
Report No.1: Role of the frequency, duration of the stimulus and of the state of the experimental animal in determining the character of the effect. *Biul. eksp. biol. i med.* 53 no.2:13-17 F '62. (MIRA 15:3)

1. Iz laboratorii patofiziologii (zav. - prof. M.G. Udel'nov) Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR A.L. Myasnikov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR A.L. Myasnikovym.
(NERVOUS SYSTEM, VASOMOTOR)
(NERVOUS SYSTEM, SYMPATHETIC)

Col, Vet Sv

17T15

USSR/Medicine - Viruses

Medicine - Anemia, Infectious

Jun 1947

"Duration of Preservation of the Virus of Infectious Anemia in Hay," I. M. Rodionov, 3 pp

"Veterinariya" No 6, Vol 24, p. 29

Hay infected by virus of infectious anemia, and stored for 5 days, appeared virulent when inoculated into foals. Grass stored for 2 days at temperatures of +18 and +19 degrees appeared free from virus even after 5 days. After 117 day storage of hay, no virus of infectious anemia remained.

17T15

RODIONOV, I.M.

Improving the manufacture of artificial astrakhan. Leg. prom.
15 [i.e. 16] no.6:9-11 Je '56. (MLRA 9:8)
(Fur, Artificial)

MEOS, A.I., doktor tekhnicheskikh nauk; RODIONOV, I.M., inzhener;
SOROKIN, L.Z., kandidat tekhnicheskikh nauk; BAULINA, N.L.,
inzhener; SHUBAYEV, N.V., inzhener

Artificial karakul made of viscose fiber. Leg.prom.15 no.7:43-
44 J1'55. (MIRA 8:10)

(Fur, Artificial)

RODIONOV, I.M.

Utilize industrial resources. Leg.prom.15 [i.e.16] no.3:14-15
Mr '56. (MIRA 9:7)

1.Direktor Leningradskey fabрики "Iskoz".
(Leather substitutes)

RODIONOV, I.M.

Conditions for the appearance of vasodilator effects in the vessels of the extremity during the stimulation of the sympathetic chain.
Report No.2: Vasomotor effects of stimulating the sympathetic chain in hypothermia. Biul. eksp. biol. i med. 53 no.4:16-21 Ap '62.
(MIRA 15:4)

1. Iz laboratorii patologicheskoy fiziologii (zav. - prof. M.G. Udel'nov) Instituta terapii (dir.-deystvitel'nyy chlen AMN SSSR A.L.Myasnikov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR A.L.Myasnikovym.

(NERVOUS SYSTEM, VASOMOTOR) (HYPOTHERMIA)
(NERVOUS SYSTEM, SYMPATHETIC)

RODIONOV, I.O. [deceased]; MAKSIMCHUK, V.L. [Maksymchuk, V.L.],
kand. tekhn. nauk, otv. red.

[Types of water intakes from reservoirs in the Ukraine and
experience in their use] Typy vodozaboriv z vodoimysheh
Ukrainy i dosvid ikh ekspluatatsii. Kyiv, Naukova dumka,
1965. 103 p. (MIRA 18:4)

KRUPEN', A.I., kand. tekhn. nauk; RODIONOV, I.P.

Building the Karaganda-Karagayly railroad line. Transp. stroi.
14 no. 1:10-12. Ja '64, large. 1000. 1000. (NISA 17:8)

1. Glavnyy tekhnolog tresta Karagandastroyput'.

KUTUKOV, A.I., red.; ZAYTSEV, A.P., red.; DROGALIN, G.V., red.; POLESIN, Ya.L., red.; KOSTYUKOV, N.N., red.; KURAS, D.M., red.; LUZHNIKOV, A.M., red.; RODIONOV, I.S., red.; BLOKH, S.S., red.; SULTANOV, D.K., red.; BIBILUROV, V.P., red.; PETROV, A.I., red.; KHARCHEVNIKOV, N.M., red.; ANDRIANOV, K.I., red.; GADZHINSKAYA, M., red.izd-va; BERESLAVSKAYA, L.Sh., tekhn.red.

[Safety regulations for petroleum and gas producing industries]
Pravila bezopasnosti v neftegazodobyvaiushchei promyshlennosti.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960.
123 p. (MIRA 14:3)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru.
2. Tsentral'nyy apparat Gosgortekhnadzora RSFSR (for Kutukov, Zaytsev, Drogalin, Polesin, Kostyukov, Kuras, Luzhnikov, Rodionov, Blokh).
3. Vsesoyuznyy nauchno-issledovatel'skiy institut po tekhnike bezopasnosti (for Sultanov).
4. Upravleniya ukrugov Gosgortekhnadzora RSFSR (for Bibilurov, Petrov, Kharchevnikov).
5. Tsentral'nyy komitet profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti (for Andrianov).
(Oil fields--Safety measures)
(Gas industry--Safety measures)

PANFILOVA, Z.Ye.; ROKHLIN, M.I.; RODIONOV, I.S.; FAUSTOVA, D.G.;
GOL'DSHTEYN, D.S.; GORODINSKIY, S.M., red.; TIKHOMIROV,
V.B., red.; PODOSHVINA, V.A., red.; VLASOVA, N.A., tekhn.
red.

[Protective coatings in atomic engineering] Zashchitnye po-
krytiia v atomnoi tekhnike; sbornik statei. Moskva, Gos-
atomizdat, 1963. 183 p. (MIRA 16:12) *
(Shielding (Radiation))

ACCESSION NR: AT4016991

S/3057/63/000/000/0025/0034

AUTHOR: Gorodinskiy, S.M.; Karpov, V.L.; Nosova, L.M.; Panfilova, Z. Ye.; Rodionov, I.S.; Shteding, M.N.

TITLE: The development of a masticated rubber on a polyvinylchloride base for shielding against radioactive substances

SOURCE: Zashchitny*ye pokry*tiya v atomnoy tekhnike (Shielding in nuclear engineering); sbornik statey. Moscow, Gosatomizdat, 1963, 25-34

TOPIC TAGS: nuclear engineering, masticated rubber, nuclear shielding, radioactivity, polyvinylchloride polymer, radioactive shielding, radioactive contamination, residual activity, 57-40 rubber

ABSTRACT: It is pointed out that, of the industrial polymers produced at the present time, polyvinylchloride is, in terms of its inexpensiveness and mechanical and technological properties, the best material to serve as a base for shielding in nuclear engineering. The authors tested many masticated rubber materials on polyvinylchloride resin bases in terms of their sorption-desorption characteristic as a function of the type of polyvinylchloride resin, processing conditions and the presence of different components which provide for

Card 1/3

ACCESSION NR: AT4016991

the required physico-mechanical and technological properties of the material. (By "sorption-desorption properties" the authors mean the ability of the material to absorb radioactivity and to be washed free of these radioactive substances through the effect of special cleansing solutions; the sorption-desorption characteristic is expressed by the residual activity of the material in percentages of the original contamination). The results of these tests are discussed. The optimal solution of the problem of developing a material to meet the specific operating requirements involved in working with radioactive substances was found in an entirely new principle of composition. This principle consists of the introduction into the composition of specially selected admixtures of hydrophobic substances which separate out on the surface of the masticated rubber in the form of a thin layer. The research conducted along these lines by the authors led to the possibility of developing on the basis of the most accessible polymer - polyvinylchloride - a new type of shielding material, called masticated rubber formula 57-40 and 80. This material is a thermoplastic and its physical and mechanical properties depend to a large degree on the temperature (its tensile strength, for example, changes with increasing temperature) and, for this reason, the formula use must be limited to a temperature interval of from 0 to 50C. The effect of the radiation dosage on the strength

Card 2/3

ACCESSION NR: AT4016991

of the masticated rubber and on its elongation are discussed along with certain other specific characteristics of the material. The authors point out that formula 57-40 and 80 masticated rubber has successfully undergone tests under different conditions and is presently being widely used as a shielding material in radiochemical laboratories and at atomic power centrals. Easily deactivated and possessed of extremely high resistance to wear, this shielding material, produced in thicknesses of 2 and 3 mm, is particularly suited to continuous covering of floors and, produced in thicknesses of 0.3, 0.5 and 0.7 mm, may be utilized as a wall covering. The masticated rubber is available in colors of brown, orange, blue and white. "L.I. Kuz'mina and L.G. Danilova of the Okhtinskiy khimkombinat (Okhtinsk Chemical Works) took part in the work." Orig. art. has: 7 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 20Feb64

ENCL: 00

SUB CODE: NP

NO REF SOV: 000

OTHER: 000

Card 3/3

KUTUKOV, A.I., red.; GARKALENKO, K.I., red.; GORBACHEV, I.V., red.; YERMAKOV, P.I., red.; OVSIANNIKOV, Yu.N., red.; PITYUGIN, B.A., red.; RODIONOV, I.S., red.; RODIONOV, A.N., red.; SEREBRIN, I.Ya., red.; GUSEV, M.S., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.; SABITOV, A., tekhn. red.

[Uniform safety rules for geological surveying; compulsory for all ministries, economic councils, departments, organizations, and enterprises conducting geological studies] Edinye pravila bezopasnosti pri geologorazvedochnykh rabotakh; obiazatel'ny dlia vseh ministerstv, sovnarkhozov, vedomstv, organizatsii i predpriatii, vedushchikh geologicheskie raboty. Moskva, Ugletekhizdat, 1958. 102 p. (MIRA 11:12)

1. Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Geological surveys)

CIA-RDP86-00513R0014450

RODIONOV, I.V.; SHUL'GA, Ye.I.; MISHNEV, V.I.

Load distribution between thread turns in a screw-rolling nut
transmission. Stan. i instr. 36 no.6:27-28 Ju '65.

(MIRA 18:8)

RODIONOV, I.V.; SURGONT, F.S.; PRYAZHINSKIY, I.V.; GUSAKOV, B.P.

Machine for the working of frozen ground. Gor.zhur. no.1:74
Ja '65. (MIRA 18:3)

ALABUZHEV, P.M., prof.; RODIONOV, I.V., dotsent

Screw-gear mechanism of a power feed device with friction
clutch. Izv.vys.ucheb.zav.; gor.zhur. no.6:38-47 '59.
(MIRA 13:4)

1. Novosibirskiy elektrotekhnicheskiy institut. Rekomendovana
kafedroy prikladnoy i teoreticheskoy mekhaniki.
(Mining machinery)

ALIMOV, O.D.; RODIONOV, I.V.; MALIKOV, D.H.; KARMINSKIY, V.N.

Machines for upraise hole boring. Izv. TPI 106:178-192 '58.
(MIRA 11:11)

(Boring machinery)

ALABUZHEV, P.M.; ALIMOV, O.D.; RODIONOV, I.V.; MALIKOV, D.N.

Investigating screw gears of an automatic feeder for electro-
pneumatic bore-hammers. Izv. TPI 106:93-111 '58.

(MIRA 11:11)

(Gearing, Spiral)

(Boring machinery--Electric driving)

ALIMOV, O.D.; MALIKOV, D.N.; RODIONOV, I.V.

Some results of the experimental investigation of screw gears
for the feed mechanism of bore-hammers. Izv. TPI 106:112-121 '58.
(MIRA 11:11)

(Gearing, Spiral)

(Boring machinery--Testing)

RODINOV, I.V.; ROZENBERG, Yu.A.; KARMINSKIY, V.N.

Investigating reamers for upraise mining. Izv. TPI 106:193-212 '58.

(Mining engineering)

(Reamers)

(MIRA 11:11)

RODIONOV, I.V.; BARANOVSKIY, A.M.

Some problems on the study of engineering geology properties
of rocks in establishing open pits and deep excavations. Razved.
i okh.nedr 23 no.3:49-57 Mr '57. (MLRA 10:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i
inzhenernoy geologii.
(Engineering geology)

RODIONOV, I. Ye.

Determination of the efficiency of synchronous machines.

Trudy Ural. politekh. inst. no. 138:116-123 '64

(MIRA 19:1)

SIUNOV, Nikolay Sergeyevich, doktor tekhn.nauk, prof.; RODIONOV, Igor'
Yevgen'yevich, aspirant

Experimental determination of the parameters of operating
synchronous hydrogenerators. Izv.vys.ucheb.zav.; elektromekh 7
no.12:1422-1427 '64. (MIRA 18:2)

1. Zaveduyushchiy kafedroy elektricheskikh mashin, rektor Ural'-
skogo politekhnicheskogo institut (for Siunov). 2. Kafedra
elektricheskikh mashin Ural'skogo politekhnicheskogo instituta
(for Rodionov).